



# LOW-CURRENT LED LAMPS (ROUND TYPES)

Package	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings			Electro-optical Data (At 2mA)			Viewing Angle 2θ 1/2 (deg)	Drawing No.	
		Material/Emitted Color	Peak Wave Length l <sub>p</sub> (nm)		D <sub>L</sub> (nm)	P <sub>d</sub> (mw)	I <sub>f</sub> (mA)	V <sub>f</sub> (V)	I <sub>v</sub> (mcd)	Typ			
					Typ	Max	Typ.	Typ	Typ	Typ			
T-1 Standard 1.0" Lead 3 φ	BL-B5141-L	GaP/GaP/Bright Red	700	Red Diffused	90	14	7	1.9	2.2	1.0	35	L-060	
	BL-B4541-L	GaAsP/GaP/Hi-Eff Red	635		45	14	7	1.8	2.2	4.0			
	BL-B2141-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	4.0			
	BL-BX1141-L	GaP/GaP/Hi-Eff Green	568		30	14	7	1.8	2.2	7.0			
	BL-B3141-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	3.0			
	BL-B4141-L	GaAsP/GaP/Orange	635	Orange Diffused	45	14	7	1.8	2.2	4.0			
	BL-B4341-L	GaAsP/GaP/Orange	635	Water Clear	45	14	7	1.8	2.2	12.0	30		
T-1 1.0" Lead 3 φ	BL-B45V1G-L	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	14	7	1.8	2.2	4.0	35	L-061	
	BL-B21V1G-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	4.0			
	BL-B31VG-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	3.0			
	BL-B24V1G-L	GaP/GaP/Green	568	Green Trans	30	14	7	1.9	2.2	8.0	30		
	BL-B34VG-L	GaAsP/GaP/Yellow	585	Yellow Trans	35	14	7	1.9	2.2	6.5			
	BL-B23V1G-L	GaP/GaP/Green	568	Water Clear	30	14	7	1.9	2.2	8.0			
	BL-B33V1G-L	GaAsP/GaP/Yellow	585		35	14	7	1.9	2.2	6.5			
1.0" Lead High Flangeless 3 φ	BL-B45V1H-L	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	14	7	1.8	2.2	4.0	30	L-062	
	BL-B21V1H-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	5.0			
	BL-B31V1H-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	3.0			
	BL-B24V1H-L	GaP/GaP/Green	568	Green Trans	30	14	7	1.9	2.2	10.0	25		
	BL-B34V1H-L	GaAsP/GaP/Yellow	585	Yellow Trans	35	14	7	1.9	2.2	6.0			
	BL-B23V1H-L	GaP/GaP/Green	568	Water Clear	30	14	7	1.9	2.2	10.0			
	BL-B33V1H-L	GaAsP/GaP/Yellow	585		35	14	7	1.9	2.2	6.0			
T-13/4 Standard 1.0" Lead 5 φ	BL-B5134-L	GaP/GaP/Bright Red	700	Red Diffused	90	14	7	1.9	2.2	1.2	35	L-063	
	BL-B4534-L	GaAsP/GaP/Hi-Eff Red	635		45	14	7	1.8	2.2	8.0			
	BL-B2134-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	8.0			
	BL-BX1134-L	GaP/GaP/Hi-Eff Green	568		30	14	7	1.8	2.2	12.5			
	BL-B3134-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	7.0			
	BL-B4134-L	GaAsP/GaP/Orange	635	Orange Diffused	45	14	7	1.8	2.2	8.0			
	BL-B4334-L	GaAsP/GaP/Orange	635	Water Clear	45	14	7	1.8	2.2	20.0	12		
T-13/4 Standard 1.0" Lead 5 φ	BL-B5134G-1-L	GaP/GaP/Bright Red	700	Red Diffused	90	14	7	1.9	2.2	0.8	45	L-064	
	BL-B4534G-1-L	GaAsP/GaP/Hi-Eff Red	635		45	14	7	1.8	2.2	6.5			
	BL-B2134G-1-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	6.5			
	BL-BX1134G-1-L	GaP/GaP/Hi-Eff Green	568		30	14	7	1.9	2.2	10.5			
	BL-B3134G-1-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	5.5			
	BL-B4334G-1-L	GaAsP/GaP/Orange	635	Water Clear	45	14	7	1.8	2.2	16.0	20		
	BL-B5134N-1-L	GaP/GaP/Bright Red	700	Red Diffused	90	14	7	1.9	2.2	0.9			
T-13/4 Flangeless 1.0" Lead 5 φ	BL-B4534N-1-L	GaAsP/GaP/Hi-Eff Red	635		45	14	7	1.8	2.2	7.0	45	L-065	
	BL-B2134N-1-L	GaP/GaP/Green	568	Green Diffused	30	14	7	1.9	2.2	7.0			
	BL-BX1134N-1-L	GaP/GaP/Hi-Eff Green	568		30	14	7	1.8	2.2	11.2			
	BL-B3134N-1-L	GaAsP/GaP/Yellow	585	Yellow Diffused	35	14	7	1.9	2.2	6.5			
	BL-B5134N-1-L	GaP/GaP/Bright Red	700	90	14	7	1.9	2.2	0.9				

Remark: 1. Hi-Eff Red/High-Efficiency Red.

2. Trans/Transparent.

3. 2θ 1/2 The off-axis angle at which the luminous intensity is half the axial luminous intensity.



# STANDARD LED LAMPS (ROUND TYPES)

L-060	BL-Bxx41-L Series	L-061	BL-BxxV1G-L Series
	<p>φ3.00 (.118) 5.30 (.209) CATHODE 0.81 (.032) 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.4 (2.00) MIN. 1.00 (.039) MIN. 2.54 (.100) NOM. FLAT DENOTES CATHODE</p>		<p>φ3.05 (.120) 5.40 (.213) Cathode 1.8 (.071) 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.4 (1.00) MIN. 1.00 (.039) MIN. 2.54 (.100) NOM. 3.95 (.158)</p>
L-062	BL-BxxV1H-L Series	L-063	BL-Bxx34-L Series
	<p>φ3.35 (.132) 6.00 (.236) CATHODE 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.4 (1.0) MIN. 1.0 (.04) MIN. 2.54 (.10) NOM.</p>		<p>φ5.0 (.197) 8.62 (.339) CATHODE 1.0 (.04) 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.4 (2.00) MIN. 1.00 (.04) MIN. 2.54 (.100) NOM. 5.7 (.22) FLAT DENOTES CATHODE</p>
L-064	BL-Bxx34G-1-L Series	L-065	BL-Bxx34N-1-L Series
	<p>φ5.0 (.197) 8.62 (.339) CATHODE 1.0 (.04) 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.4 (2.00) MIN. 1.00 (.04) MIN. 2.54 (.100) NOM. 5.7 (.22) FLAT DENOTES CATHODE</p>		<p>φ5.00 (.197) 8.80 (.346) CATHODE 1.5 (.059) MAX. 0.5 (.02) SQ. TYP. 25.0 (.946) MIN. 1.00 (.04) MIN. 2.54 (.100) NOM. 5.00 (.197)</p>

Notes: 1. All Dimensions are in millimeters (inches).

2. Tolerance is ±0.25mm (.010")